

THIS CHART IS INTENDED TO ACT AS A GUIDE ONLY

703.4 - SA Wheat Standards 2023-2024 - Iss1 - September 2023

Sampling Guidelines

- 1) A minimum of 5 vertical probes must be taken from every bin-load tendered for delivery with at least 5 litres to be drawn.
- 2) The sample must be mixed prior to assessment.
- 3) A half litre sub-sample must then be taken for test weight, screenings, unmillable, defect and contaminant determination.
- 4) A separate sub-sample may be taken for assessment of other traits.

Binning guidelines.

Varietal restrictions apply to the grades on this chart.

These standards are to be applied on individual truck loads and must not be averaged over a number of loads
Segregations indicated on this chart are not available at all GrainFlow locations.

Test Code	Binned grade	H1	H2	AUH2	APW1	ASW1	HPS1	AGP1	AUW1
PRGR	Protein Content (%) Minimum	13.0	11.5	11.5	10.5	No limit	11.5	No limit	10.5
MOGR	Moisture max (%)	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
TWT	Test Weight min (kg/hl)	76	76	71	76	76	68	68	68
UNMB	Screenings max (% by weight) All matter passing through a slotted 2.00mm screen - 40 shakes in direction of the slots	5.0	5.0	10.0	5.0	5.0	25.0	10.0	25.0
UNM	Unmillable Material Above the Screen max (% by weight) Includes whiteheads (with grains removed), chaff, backbone, Wild Radish, Milk Thistle, other seedpods not listed. Excludes contaminants where tolerances already exist	0.6	0.6	1.2	0.6	0.6	2.6	1.2	2.6
	Defective grains- Maximum tolerance % by count per 300 Grain Sample unless otherwise stated (1% = 3 grains). Sample to be taken from above the 2mm screen. Note: NIL tolerance applies to the entire load								
FALL	Falling Number min (seconds)	300	300	250	300	300	250	200	250
SPRO	Sprouted Grains max (% by count) Sprouted kernels are those in which the covering of the germ is split and any further advanced stage of growth to the extent of the germ having grown or shot Note: The NIL tolerance for sprouted grain doesn't apply if a Falling Number test is conducted.	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
FFUN	Stained Grains max (% by count) Grains with a mould like discolouration on less than 50 % of the entire grain surface (Does not include Storage Moulds) Includes: Blackpoint, Blacktip and staining due to moist plant material	5% (15 grains)	5% (15 grains)	15% (45 grains)	5% (15 grains)	5% (15 grains)	10% (30 grains)	15% (45 grains)	15% (45 grains)
PFUN	Pink Stained max (% by count) affected by the fungi <i>Fusarium</i> , <i>Epicoccum</i> or <i>Drechslera</i> spp.	2% (6 grains)	2% (6 grains)	2% (6 grains)	2% (6 grains)	2% (6 grains)	3% (9 grains)	5% (15 grains)	5% (15 grains)
WGDH	White Grain Disorder/ Head Scab/ Flaked Grain max (% by count)	1% (3 grains)	1% (3 grains)	1% (3 grains)	1% (3 grains)	1% (3 grains)	1% (3 grains)	1% (3 grains)	1% (3 grains)
FFAG	Field Fungi Affected Grains max (count per half litre) Grains with the seed coat greater than 50% discoloured with a mouldy substance (Does not include Storage Moulds)	10	10	10	10	10	20	10	20
GREE	Dry Green or Sappy (% by count)	1% (3 grains)	1% (3 grains)	2% (6 grains)	1% (3 grains)	1% (3 grains)	2% (6 grains)	5% (15 grains)	5% (15 grains)
DSTD	Distorted Grains max (% by count)	1% (3 grains)	1% (3 grains)	2% (6 grains)	1% (3 grains)	1% (3 grains)	2% (6 grains)	10% (30 grains)	10% (30 grains)
SVDA	Severely Damaged max (count per half litre) Heat Damaged or Burnt, Mould or Other Serious Visual Defects	1	1	1	1	1	1	1	1
SMUT	Grain Infected With Ball Smut (Also Stinking Smut or Bunt) max (entire load)	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
DAMI	Insect Damaged Grains max (% by count)	1%	1%	1%	1%	1%	2%	2%	2%
	Foreign Seed Contaminants Tolerances apply to whole seeds or their equivalent in pieces and refer to the maximum total of all seeds named in each type per half litre. Except type (1) in which the maximum applies on an individual seed basis per half litre.								
WS1	Colocynthis, Double Gees/Spiny Emex/Three Cornered Jack, Jute, Long Head Poppy, Mexican Poppy, New Zealand Spinach, Opium Poppy, Parthenium Weed**, Poppy (Field), Poppy (Horned), Wild Poppy	8*	8*	8*	8*	8*	8*	8*	8*
WS2	Castor Oil Plant, Coriander, Crow Garlic/Wild Garlic, Darling Pea, Peanut seeds and pods, Ragweed, Rattlepods, Parthenium Weed (NSW/VIC/SA), Starburr, St Johns Wort	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
WS3A	Bathurst Burr, Bellvine, Branched Broomrape, Bulls Head/Caltrop/Cats Head, Cape Tulip, Cotton Seed, Dodder Noogoora Burr, Thornapple	2	2	2	2	2	2	2	2
WS3B	Vetch (Tare), Vetch (Commercial)	4	4	4	4	4	4	4	4
WS3C	Heliotrope (Blue), Heliotrope (Common)	2 Pods/ 8 Seeds	2 Pods/ 8 Seeds	2 Pods/ 8 Seeds	2 Pods/ 8 Seeds	2 Pods/ 8 Seeds	2 Pods/ 8 Seeds	2 Pods/ 8 Seeds	2 Pods/ 8 Seeds
WS4	Bindweed(Field), Cutleaf Mignonette (seeds or pods), Darnel (Drake Seed), Hexham Scent/Meliot (King Island)*** Hoary Cress, Mintweed, Night Shades, Paddy Melon, Skeleton Weed, Variegated Thistle	20	20	20	20	20	20	20	20
WS5	Knapweed (Creeping/Russian), Pattersons Curse/Salvation Jane, Sesbania Pea	40	40	40	40	40	40	40	40
WS6	Columbus Grass, Johnson Grass, Saffron Thistle.	10	10	50	10	10	50	50	50
WS7A	Azuki Beans, Broad Beans, Chickpeas, Corn (Maize), Cowpea, Faba Beans, Lentils, Lupins, Onion Weed Pods, Peas (Field), Safflower, Soybean, Sunflower and any other seeds or pods greater than 5mm diameter	1	1	10	1	1	10	10	10
WS7B	Barley (2 row), Barley (6 row), Bindweed (Australian), Bindweed (Black), Bromo Grass, Carrot Weed, Durum, Oats (Black/Wild), Oats (Sand), Oats (Common), Red/Spring Feed Wheats, Rice, Rye (Cereal), Ryegrass on Stalk, Sorghum (Grain), Triticale, Turnip Weed Pods and any other seeds not specified in Types (1) to (7a) or SFS or in Unmillable material that remain above 2.0mm screen after Screening process.	50	50	150	50	50	150	150	150
SFS	Small Foreign Seeds (SFS) max (% by weight) All Foreign Seeds not specified in Types 1-7(b) that fall below the 2.0mm screen during the Screenings process	0.6	0.6	1.2	0.6	0.6	1.2	1.2	1.2
	* Individual Seed Basis **QLD only, NIL tolerance in NSW, VIC & SA *** Hexham Scent is only acceptable if no tainting odour is present								
	Other contaminants - Maximum tolerance per half litre unless otherwise stated Note: NIL tolerance applies to the entire load except where otherwise stated								
PICK	Pickling Compound max (entire load)	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
CHEM	Chemicals Not Approved for Grain max (entire load)	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
ERGR	Ergot of Ryegrass max (length in cm when pieces are aligned per half litre)	2cm	2cm	2cm	2cm	2cm	2cm	2cm	2cm
ERGW	Ergot of Wheat (Cereal) max (count per half litre) Pieces or whole affected kernel	1	1	1	1	1	1	1	1
SGIL	Stored Grain Insects and Pea Weevils - Live max (entire load) All life stages	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
INLG	Field Insects (Large) (Dead or Alive) : All others max (count per half litre) Includes Rutherglen bugs, ladybirds, grasshoppers, locusts, sitona weevils, wood bugs & pea weevil (dead only)	3	3	3	3	3	3	3	3
INSM	Field Insects (Small) (Dead or Alive): (count per half litre) Includes all species of aphid, mites & stored grain insects (dead only)	10	10	10	10	10	10	10	10
SNAL	Snails (Live or Dead) max (count per half litre)	1	1	1	1	1	5	10	10
EAR	Earcowle max (number per half litre)	10	10	10	10	10	10	15	15
LSMT	Loose Smut max (pieces per half litre) Pieces of backbone	3	3	3	3	3	3	3	3
ESA	Sand max (count per half litre) Individual grains	20	20	50	20	20	50	50	50
ESAP	Earth (5mm max in diameter)	1	1	3	1	1	1	3	1
STON	Stones (g per 2.5L) Maximum weight of all stones above 2.0mm screen per 2.5 L	4	4	4	4	4	4	4	4
GUMN	Gumnut (count per 2.5L) - Whole or pieces of gumnut of any size and maturity level	1	1	1	1	1	1	1	1
OBJM	Objectionable Material max (entire load) Presence of meat meal, blood meal, fish meal, poultry offal meal or other animal proteins. Stick/Stubble (>3cm in length and 1cm in diameter), glass, concrete, metal, animal excreta, animal carcasses, tainting agents or any other commercially unacceptable contaminant, smell or taste.	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
ONOM	Other Non-Objectionable Material max (% by weight) Includes fine material (soil, dust and minerals), pieces of stored grain insects, pieces snail shell (< half)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

This chart is based on Grain Trade Australia (GTA) Standards CSG-101 to CSG-109
Prepared and issued by - Grain Technical Services Manager.

1800 4GRAIN

www.grainflow.com.au